Topical Collection

Cyber Situational Awareness in Computer Networks

Message from the Collection Editors

We live in an interconnected world in which, on a daily basis, we rely on new technologies (sensors for wearable systems, unmanned vehicles, robots, etc.) to provide services that improve our everyday life. In recent years, cybercrime has become more sophisticated and organized, and organizations and/or nations have been targeted. This Topical Collection invites contributions that investigate and address these challenges by describing original ideas, methods and/or real-world experiences on cyber situational awareness in our technological paradigm.

- Cybercrime and digital forensics
- Incident response
- Security information, event management and analytics
- Host-based intrusion detection
- Cyber situational awareness
- Network security
- Network forensics
- IoT security and privacy
- Privacy-preserving machine learning
- Adversarial machine learning
- Privacy-preserving blockchain implementations
- Cloud computing security
- AI-accelerated intrusion detection
- Usable security and risk management
- Surveys and state-of-the-art reports in the above areas

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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